

Claims

[c1] We claim as our invention:

1. A static pose fixture for measuring a person who is a subject of a motion capture model, the fixture comprising:

a base having a substantially flat surface;

at least one marker;

a pair of foot alignment struts located on the upper rear surface of the base wherein the distance between a first foot alignment strut and a second foot alignment strut is at least 10.0 inches;

a pair of vertical struts located on the upper rear surface of the base wherein a first vertical strut is located on an outer exterior portion of the first foot alignment strut and a second vertical strut is located on an outer exterior portion of the second foot alignment strut; and

a pair of grips attached to the pair of vertical struts and located at least 15 inches above the base.

[c2] 2. The static pose fixture according to claim 1 further comprising a lower back strut located at least 30 inches above the upper surface of the base.

[c3] 3. The static pose fixture according to claim 1 further

comprising at least two sliders with markers located on at least one of the first vertical strut, second vertical strut, first foot alignment strut and second foot alignment strut.

- [c4] 4. The static pose fixture according to claim 1 wherein the at least one marker is located on the base.
- [c5] 5. The static pose fixture according to claim 1 wherein the fixture is comprised of aluminum.
- [c6] 6. A static pose fixture for measuring a subject who is an object of a motion capture model, the fixture comprising:
 - a base;
 - at least one marker;
 - a first vertical strut and a second vertical strut extending upward from the base a distance of at least 66.0 inches;
 - a first upper arm support and a second upper arm support attached to each of the first and second vertical struts;
 - a first arm alignment strut attached to and substantially perpendicular to the upper arm support at the right end of the upper arm support, and a second arm alignment strut attached to and substantially perpendicular to the upper arm support at the left end of the upper arm support;

an elongated strut attached to the rear portion of the first and second vertical struts;
and a head and upper back support attached to the elongated strut at a mid-point.

- [c7] 7. The static pose fixture according to claim 6 further comprising first and second foot alignment struts.
- [c8] 8. The static pose fixture according to claim 6 wherein at least one linear bearing is located on the first and second arm supports.
- [c9] 9. The static pose fixture according to claim 6 further comprising at least two sliders with markers located on at least one of the first vertical strut, second vertical strut, first foot alignment strut, second foot alignment strut, first upper arm support, second upper arm support, first arm alignment strut, second arm alignment strut, elongated strut and head and upper back support.
- [c10] 10. The static pose fixture according to claim 6 wherein the at least one marker is located on the base.